

## Professional Development



We thank you for thinking of the U.S. Botanic Garden as an extension of your classroom.

In addition to the rich offerings we have for students, we offer a variety of courses, workshops and teacher trainings to support you in teaching plant science, STEAM and Professional Learning Units (PLUs) are offered for each of the professional development offerings.

Please check our calendar of events for dates and additional information.

### [DC Teacher Night](#)

We are very excited to continue our collaboration with the DC Environmental Education Consortium to offer DC Teacher Night. This is an environmental evening for all DC area educators. We invite 40 environmental organizations together and under one roof, educators can learn about the diversity of offerings for your students, in and outside of the classroom. Mark your calendar for DC Teacher Night 2020 - Thursday, January 30th. Event is free however registration is required.

**[Click here to register for DC Teacher Night 2020](#)**

### [2019 HOPS Teacher Institute](#)

Fifteen teachers will be selected to attend our 2020 HOPS Teacher Institute. Teachers will immerse themselves in our outdoor gardens and experience a variety of hands-on activities over the course of two days. Teachers successfully completing the Institute will receive a HOPS box containing the equipment to carry out these hands-on experiments based on 14 professional learning units. Please note: This training occurs outdoors. For an application and additional information on the HOPS Institute, please contact [lcoykend@aoc.gov](mailto:lcoykend@aoc.gov).

**HOPS Teacher Institute Program Description:** Day One will cover 8 modules. We will learn all about water, its importance to plants and plants' importance to life, the importance of water to all life and explore the challenges for our local bodies of water. We will use microscopes, test water for temperature, PH and dissolved oxygen, explore watersheds, and build a watershed and water filter. The afternoon is all about how plants work and photosynthesis. Participants will perform plant cutting and learn how leaves leave the plant and how plants take in our carbon dioxide, learn that sugar really does happen in the leaf using refractometers, create art using the power of seeds and seed balls.

Day Two explores nature as art in the morning. Participants will have a chance to settle into the quiet of the outdoor gardens and through slow looking, understand the natural world. We will use compasses to make sundials and microscopically explore the tiniest of plants. Participants will dissect flowers and learn how they work. We keep our eyes out for the many pollinators in the Garden. The afternoon is when we tie everything together with an investigation during which we explore plant identification using microscopes, learn that nectar differs from flower to flower, that different flowers have different pollinators, and that soil is alive.

### [Professional Development Outreach](#)

Wish you could get to the Garden for training but stuck at your school? Consider incorporating one of our professional development offerings into an established lesson plan.

development day or, as an evening program at your school. Programs last 60 - 90 minutes and support you in STEAM and inquiry training for grades Pre  
Coykendall, Senior Education Specialist, at lcoykend@aoc.gov for additional information.

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